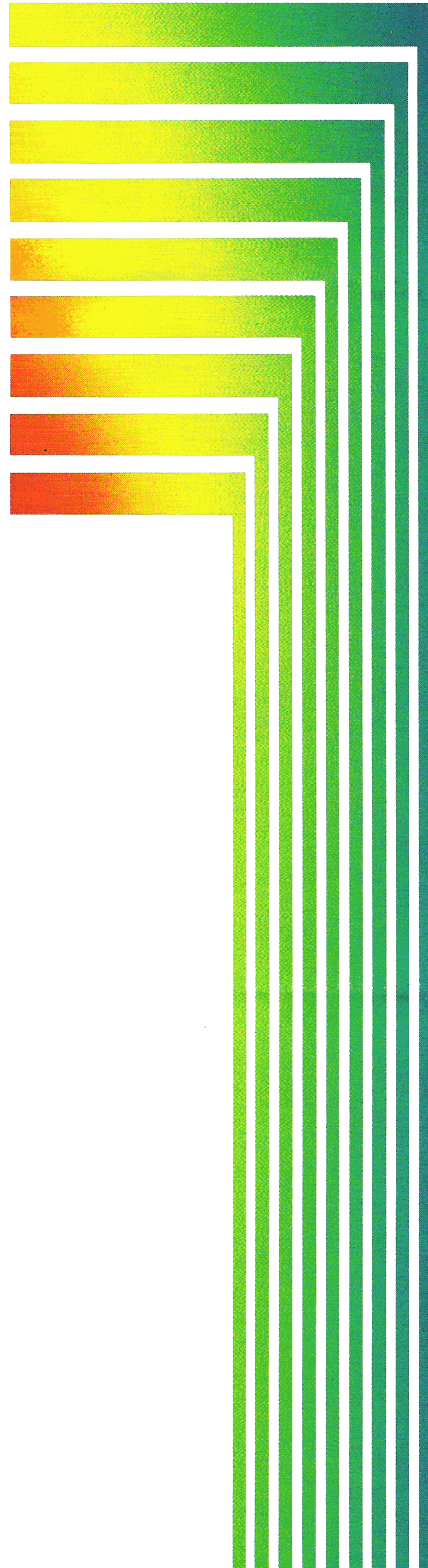# commodore COMPUTER

THE MOST COMPLETE MICROCOMPUTER LINE

COMMODORE'S COMPLET

Congratulations! By expressing interest in Commodore computers, you have taken the first step towards joining the computer revolution. Experts speculate that by the dawn of the 21st century, computers and electronic information technology will be firmly established in America's homes, businesses, and schools. Don't be left behind. Compare us to the competition, you'll quickly realize that Commodore offers the most advanced computing features at the lowest prices.

COMMODORE MAX MACHINE
$179.95

Memory:
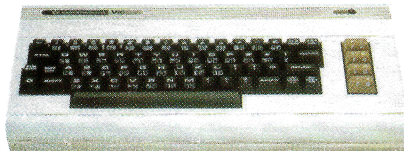- 2K internal plus additional memory as per cartridge specifications

Features:
- Basic 2.0 with cartridge option
- User supplied color monitor or TV
- 40 col. × 25 line screen display
- 3 independent voices, 9 octaves each
- Programmable ADSR
- 16 text colors
- Cartridge slot
- 66-key keyboard
- 4 programmable function keys
- Direct Audio/Video output
- Dual control ports for 2 joysticks, 4 game paddles, or lightpen
- Numerous video game and music cartridges

AVAILABLE CHRISTMAS 1982

Video Game with Computing Option

VIC 20™
$299.95

Memory:
- 5K expandable to 32K

Features:
- User supplied color monitor or TV
- 4 internal amplifiers including: 5 octaves total range, 3-tone (music) generators, 1 sound effects generator
- 22 col. × 23 line screen
- Programmable function keys & characters
- 16 colors
- Plug-in program/memory cartridges
- Joystick, paddles, lightpen
- Self-teaching materials
- High resolution graphics (178 × 184 dots)
- Basic 2.0
- Serial bus
- Numerous video game cartridges.

COMMODORE 64™
$595.00

Memory:
- 64 K of RAM

Features:
- Basic 2.0
- VIC Serial bus.
- 40 col. × 25 line screen display
- User supplied color monitor or TV
- Music synthesizer produces 3 independent voices, each with a range of 9 octaves
- 4 waveforms are available: sawtooth, triangle, variable pulse and noise
- 4 programmable function keys
- Uses 6510 microprocessor
- Optional Z80 microprocessor to allow CP/M® compatibility
- 16 text colors
- 8 independently moveable sprites for "3-D graphics"
- Range of business software
- Optional IEEE-488 cartridge

(CP/M® is a registered trademark of Digital Research, Inc.)

Commodore computer systems are standard BASIC, have full size typewriter keyboard (except MAX), upper and lower case, full screen editing capabilities and have a high degree of upward compatibility.

'E MICROCOMPUTER LINE

PET® 4032
$995.00

Memory:
- 32K

Features:
- Basic 4.0
- IEEE-488 bus.
- 40 col. × 25 lines screen
- Eight-bit parallel user port with "handshake" lines
- Supports Commodore C2N cassette and disk unit
- 128 ASCII plus 128 graphic characters
- Separate calculator/numeric pad
- 18K of ROM
- 9 digit floating binary arithmetic

CBM™ 8032
$1495.00

Memory:
- 32K expandable to 96K

Features:
- Basic 4.0
- IEEE-488 bus.
- 80 col. × 25 line screen size
- 128 ASCII, plus 128 graphic characters
- Separate calculator/numeric pad
- 18K of ROM
- Director (interactive) and program modes
- 9-digit floating binary arithmetic

SUPERPET™
$1995.00

Memory:
- 96K RAM (64K bank switched)

Features:
- Basic 4.0
- IEEE-488 bus.
- High-speed RS 232-C interface for additional compatibility with printer and modem
- Communicates to Mainframes*
- Compatible with 8032 software 2 microprocessors—6502 and a 6809
- Software includes: language interpreters, editor, operating system (supervisor), and an assembly language development system:
  - Waterloo MicroBASIC
  - Waterloo MicroPascal
  - Waterloo MicroFORTRAN
  - Waterloo MicroAPL
  - Waterloo MicroCOBOL
- 6809 Assembler Development System
- Linker/Loader
- 128 ASCII, plus 128 graphic characters
- IBM/ACM, APL character set
- Separate numeric keyboard (line/text editor keypad usage in 6809 mode)
- 38K of ROM
- Direct (interactive) and program modes
- 9-digit floating binary arithmetic

*Program file transfer between suitably equipped Mainframe. (Program upload/download between M/F and Super PET). Programs will execute without modification.

THE NEW GENERATION

COMMODORE 'P' 500 SERIES
Advanced Personal Computer

Memory:
- 128K RAM expands to 256K internally, 640K externally totaling 896K

Features:
- Basic 4.0
- IEEE-488 bus.
- RS232 interface
- 8 bit user port
- 40 col. × 25 line screen display
- Works with user supplied color monitor or TV
- 16 colors
- Sprite graphics (320 × 200 dots (pixels))
- Two control ports for joysticks, paddles or peripherals
- 40K ROM
- 6509 microprocessor
- Optional future processors include Z-80 or 8088 for CP/M®, CP/M®-86
- Other future languages will include U.C.S.D. Pascal
- Direct Audio/Video Output, programmable function keys

COMMODORE 'B' 700 SERIES
Advanced Business Computer

Memory:
- 128K RAM expands to 256K internally, 640K externally totaling 896K

Features:
- Basic 4.0
- IEEE-488 bus.
- RS232 interface
- 8 bit user port
- 80 col. × 25 line screen display
- Integral Display
- Easy Read Green Phosphor
- Swivel & tilt screen
- Includes integral disk drive options
- Detachable keyboard
- 6509 microprocessor, optional Z-80 and 8088 processors;
- Optional CP/M®, CP/M®-86 and U.C.S.D. Pascal compatibility
- Direct Audio Output
- Programmable function keys
- (Version also to be available excluding integral disk and with external V.D.U. option.)

COMMODORE 'BX' 700 SERIES
Advanced 16-Bit Professional Computer

Memory:
- 256K RAM expandable externally to 896K. Almost a megabyte online RAM memory!

Features:
- Basic 4.0
- IEEE-488 bus.
- RS232 interface
- 8 bit user port
- 80 col. × 25 line screen display
- Integral Display
- Easy Read Green Phosphor
- Swivel & tilt screen
- Includes integral disk drive options
- Detachable keyboard, programmable function keys
- Built-in dual processors standard 6509 and 16-bit 8088 processors
- Optional processors include Z-80, (CP/M®)
- Other future languages will include U.C.S.D. Pascal
- Direct Audio Output

Preliminary release information. Specifications and prices subject to change.

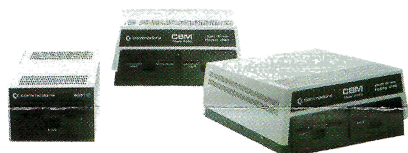*P, B, and BX Series Machines available late 1982.

COMMODORE PERIPHERALS

Commodore products are compatible with a
full line of "intelligent" peripherals.

CBM SERIES DISK DRIVES

CBM™ 2031 Single Drive
170K (DOS 2.6) storage capacity, 8K
of ROM, 1K RAM, 35 Tracks $595.00

CBM™ 4040 Dual Drive
340K (DOS 2.1) storage capacity
12K of ROM, 4K RAM, 35 Tracks
$1295.00

CBM™ 8050 Dual Drive
1050K (DOS 2.5) storage capacity
16K of ROM, 4K RAM, 77 Tracks
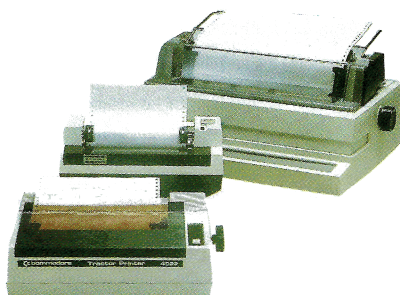$1795.00

CBM™ 8250 Dual Drive
2100K (DOS 2.7) storage capacity
16K of ROM, 4K RAM, 77 tracks/side
$2195.00

D9060, D9090 Hard Disk
Fast, high capacity single
"Winchester" drive.
D9060 5.0 Megabyte $2995.00
D9090 7.5 Megabyte $3495.00

PRINTERS

CBM 4022
Dot matrix printer, tractor feed,
80 column, prints full PET graphics,
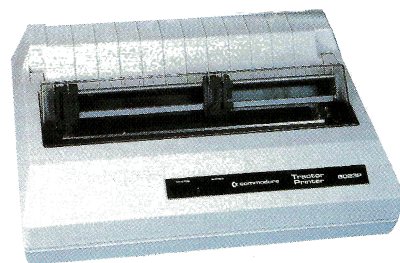variable line spacing, bi-directional,
80 CPS $495.00

CBM 8300P
True letter quality, daisy wheel printer
with 10,12,15 pitch or proportional
spacing and optional tractor feed.
Supports APL & foreign language
print wheels.
Bi-directional; 40 CPS $1995.00

VIC 1525P
Dot matrix printer, uses $9^{1}/_{2}$" paper;
prints full VIC character set
tractor feed; 30 CPS $395.00

(Use with VIC or Commodore 64.)

CBM 8023P
Dot matrix printer, tractor feed,
136 column, fully programmable
graphics, bi-directional, pseudo letter
quality, 150 CPS $795.00

ADDITIONAL PERIPHERALS

VIC Peripherals listed are compatible
with the Commodore 64.

VIC 1540/1541 Single Disk Drive
170K Storage Capacity
Media compatible with CBM 2031
and 4040 diskettes $395.00

C2N Datasette
Cassette tape storage for
Commodore Computer $75.00

VIC 1600 Vicmodem
Telephone interface cartridge.

To access telecomputing and
timesharing services.
Includes VICTERM I
program on tape,
plus Free CompuServe Subscription
$109.95

SOFTWARE

Entertainment

Pre-recorded programs on cartridge, tape cassette and diskette. Games like GORF, RADAR RAT RACE, MOLE ATTACK, AVENGER, OMEGA RACE, JUPITER LANDER and instructional programs to learn Bridge, calculate your home finances, teach yourself computing and many more.

Education

More than 10,000 classroom programs available worldwide, with a choice of drill, and practice, simulations, computer-aided modules and textbooks. Contact your local Commodore dealer to learn the exciting details and potential savings of Commodore's new educational allowance program.

Business

Professional wordprocessing with full text editing capabilities. Electronic worksheets to build financial models. Legal, medical, and stock portfolio management. Accounting programs for general ledger, accounts receivable, inventory control, job costing, payroll and more.

Programming

A number of languages & programming aids are available including U.C.S.D. Pascal, CP/M, assemblers and compilers.

SPECIAL DOCUMENTATION

Commodore Software Encyclopedia
A catalog of over 1000 software programs, books, and interfaces from Commodore and third parties. $9.95

Education Marketing Resources Book
185 Public Domain Programs for Education including 4 disks of software. Details of Users' clubs, educational vendors, and educational applications. (380 pages). $26.95

VIC 20 Programmer's Reference Guide
Information on VIC BASIC, 6502 Machine Code Programming, Input/Output ports, VIC microprocessing chips, and tips for all levels of programmers. $16.95

Commodore 64 Programmers Reference Guide
A comprehensive guide to programming all aspects of the 64 computer. $19.95

Commodore
The Microcomputer Magazine ... a user magazine devoted to all aspects of Commodore computers including business and education. (6 issues) $15.00/yr

Power/Play
Fun, Games & Beyond with Commodore Home Computers ... a user magazine devoted primarily to personal fun, entertainment and learning with Commodore Computers. (4 issues) $10.00/yr

Commodore Information Network
A telecommunications network on CompuServe designed specifically for Commodore users. The network includes user groups, software tips, HOTLINE, articles of interest and much, much more.

Regional Offices

Commodore Business Machines, Inc.

MID-ATLANTIC REGION, 761 Fifth Ave. King of Prussia, PA 19406, 215-666-6800;

SOUTHERN REGION, 4350 Beltwood Parkway S., Dallas, TX 75234, 214-458-1000;

MID-WESTERN REGION, 2246 N. Palmer Dr., Schaumburg, IL 60915, 312-397-0075;

WESTERN REGION, 1701 E. Edinger Rd. #15E, Santa Ana, CA 92705, 714-972-1415.

Visit your local Commodore dealer for a hands-on demonstration of the complete line of Commodore microcomputers.

commodore COMPUTER